














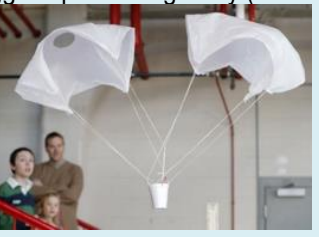






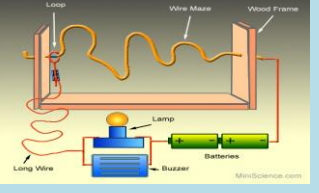

















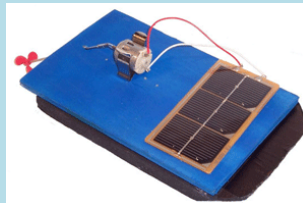


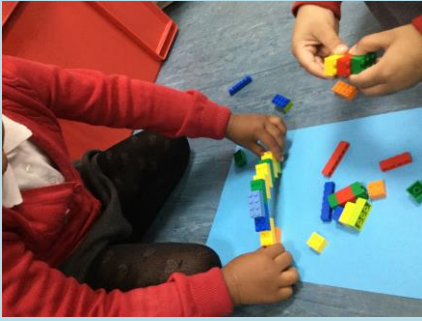

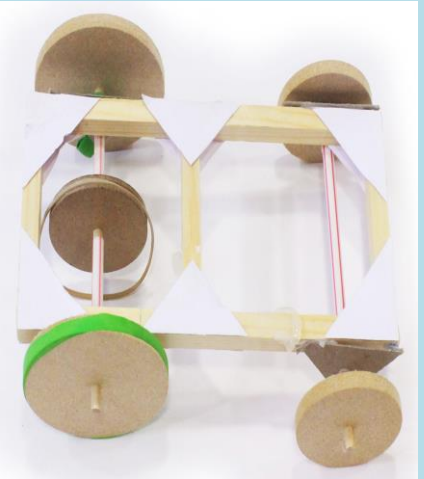












PARKFIELD'S YOUNG ENGINEERS' ACADEMY OVERVIEW PLAN

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
1 	Three Little Pigs House Building (Everyday Materials) 	Billy Goats Gruff Bridge (Heroes&Villains) 	LEGO WeDo (An Introduction to Robotics) 	Sir Francis Drake's Boat (People Who Changed the World) 	Design and Make an African Musical Instrument 	Junk Modelling of African Animals and Sorting (Venn Diagram) 
2 	LEGO WeDo (Dinosaurs) 	Dinosaur Trap 	Making a Home for Teddy (Houses & Homes) 	Wind Cart Drag Racing (Everyday Materials) 	Wild Feet Exploration (Friction & Animal Kingdom) 	Dash and Dot Robots (Computer Programming) 
3 	Egg Drop Challenge Day (Forces) 	Burglar Alarm (Fantastic Mr. Fox) 	Earthquake Proof Houses 	Investigating Light Including Designing and Making a Periscope. 	Ancient Greek Computer Game Programming 	LEGO Mindstorms 
4 	Wire Loop Game 	Country/City Life Computer Game 	Papier Mache Pyramids 	LEGO Mindstorms 	Building Catapults 	Castle Building Day and iMovie Tour 
5 	Building Towers Challenge 	Sink the Spanish Armada 	LEGO Mindstorms (Moon Challenges) 	Water Rockets 	Emergency Communication Device 	Making Bridges (Including Paper) 
6 	Robotic hand gripper 	Harry Potter Computer Game Programming 	Doctor Who Computer Game – Programing 	Making a Robotic Dalek 	Boat transportation 	Motor Cars 

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception 	Build a LEGO Bridge 	Build a Raft 	Wooden Vehicle 	Dash and Dot Robots (Computer Programming) 	Recycled Flower Art 	Melting Elsa's Frozen Hand Activity 
Nursery 	Bubbles 	Ice – Frozen Rescue 	Wind Cars 	Dash and Dot Robots (Computer Programming) 	Design and Make a Playdough Monster 	Build a Bridge/Boat for the Gingerbread Man 

Parkfield C